

[illegible]

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

(PTO-1449)

**SERIAL NO.**  
**10/058,228**

FILING DATE  
January 29, 2002

**GROUP  
2671**

[illegible]

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
ACE	0528743 A1	Feb. 93	EP				

Act	Schmandt, C., "Audio hallway: a virtual acoustic environment for browsing" 1998, UIST, San Francisco.
↓	Sawhney, N. and Schmandt, C., "Speaking and listening on the run: design for wearable audio computing" Wearable Computers. Digest of Papers. Second International Symposium. 1998, Pittsburgh.

DATE CONSIDERED

7/27/05

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## U.S. PATENT DOCUMENTS

[illegible]

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## FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
LEF	92/09921	6/1992	WO				
	0966719A2	12/1999	EP				
	2360681A	9/2001	GB				
	2000-322168	11/2000	JP				
	2000-322168	11/2000	JP (English Abstract)				
	8-76919	3/1996	JP				
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

Sawhney, N. et al., "Nomadic Radio: Speech & Audio Interaction for Contextual Messaging in Nomadic Environments," Speech Interface Group, MIT Media Lab, E15-352, Cambridge, MA

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<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  <b>(PTO-1449)</b>				ATTY. DOCKET NO. <b>1509-265</b>		SERIAL NO. S.n.	
				APPLICANT <b>Lawrence WILCOCK et al</b>		<div style="text-align: center;"> <b>11046 U.S. PTO</b>  <b>10/056226</b>    <b>01/29/02</b> </div>	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
<b>ACF</b> <b>L</b>	5,943,427	8/24/99	Massie et al				
	6,054,989	4/25/00	Robertson et al				
<b>FOREIGN PATENT DOCUMENTS</b>							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
<b>OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
<b>ACF</b> 	Kobayashi, Minoru et al, "Dynamic Soundscape: mapping time to space for audio browsing," CHI 97 Electronic Publications: Papers, <a href="http://www.acm.org/sigchi/chi97/proceedings/paper/kob.htm">http://www.acm.org/sigchi/chi97/proceedings/paper/kob.htm</a>						
	Billinghurst, M. et al, "A Wearable Spatial Conferencing Space," Human Interface Technology Laboratory, Seattle, WA and Advanced Perception Unit, Ipswich, UK						
	Goose, S. et al, "A 3D Audio Only Interactive Web Browser: Using Spatialization to Convey Hypermedia Document Structure," ACM Multimedia '99 10/99, Orlando, FL						
	Sawhney, Nitin et al, "Speaking and Listening on the Run: Design for Wearable Audio Computing," 1998 IEEE.						
	Kyriakakis, C. et al, "Signal Processing, Acoustics, and Psychoacoustics for High Quality Desktop Audio," <u>Journal of Visual Communication and Image Representation</u> , Vol. 9, No. 1, March, pp. 51-61, 1998.						
	King, Robert B. et al, "The Impact of Signal Bandwidth on Auditory Localization: Implications for the Design of Three-Dimensional Audio Displays," <u>Human Factors</u> , 1997, 39(2), 287-295.						
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